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- (71) Applicant (*for all designated States except US*): XEN-COR, INC. [US/US]; 111 W. Lemon Avenue, Monrovia, CA 91016 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (*for US only*): DAHIYAT, Bassil, I. [US/US]; 4413 San Andreas Avenue, Los Angeles, CA 90065 (US).
- (74) Agent: TRECARTIN, Richard, E.; Flehr Hohbach Test Albritton & Herbert LLP, Suite 3400, 4 Embarcadero Center, San Francisco, CA 94111-4187 (US).
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(54) Title: PROTEIN DESIGN AUTOMATION FOR PROTEIN LIBRARIES

(57) Abstract: The invention relates to the use of protein design automation (PDA) to generate computationally prescreened secondary libraries of proteins, and to methods and compositions utilizing the libraries.

# INTERNATIONAL SEARCH REPORT

Interr. Application No  
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**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C12N15/10

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, CHEM ABS Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 47089 A (CALIFORNIA INSTITUTE OF TECHNOLOGY) 22 October 1998 (1998-10-22) page 6, line 26 - line 30 ---	1
X	WO 98 32845 A (BIOINVENT INTERNATIONAL AB) 30 July 1998 (1998-07-30) the whole document ---	7,8
X	WO 95 22625 A (AFFYMAX) 24 August 1995 (1995-08-24) the whole document ---	7,8
	-/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	B I DAHIYAT & S L MAYO: "De novo protein design: fully automated sequence selection" SCIENCE., vol. 278, no. 5335, 3 October 1997 (1997-10-03), pages 82-87, XP002188179 AAAS. LANCASTER, PA., US ISSN: 0036-8075 cited in the application the whole document ---	1-9
A	B I DAHIYAT & S L MAYO: "Protein design automation" PROTEIN SCIENCE., vol. 5, no. 5, May 1996 (1996-05), pages 895-903, XP002073372 CAMBRIDGE UNIVERSITY PRESS, CAMBRIDGE., GB ISSN: 0961-8368 cited in the application the whole document ---	1-9
P, X	WO 00 23564 A (XENCOR INC.) 27 April 2000 (2000-04-27) the whole document -----	1-9

## **INTERNATIONAL SEARCH REPORT**

#### Information on patent family members

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